March 8, 2006

Ms. Arghavan Rashidi-Fard
Orange County Health Care Agency
Hazardous Materials Mitigation Section
1241 East Dyer Road, Suite 120
Santa Ana, California 92705-5611

Subject: **Submittal of 1st Quarter 2006 Groundwater Monitoring and Progress Report**

Site: **Chevron Service Station No. 9-0819**
195 E. 17th Street, Costa Mesa, California
OCHCA Case No. 98UT93

Dear Ms. Rashidi-Fard:

On behalf of Chevron Environmental Management Company (CEMC), Science Applications International Corporation (SAIC) has prepared this Quarterly Groundwater Monitoring and Progress Report for the above-referenced site. Work performed for this quarter includes groundwater monitoring by Wayne Perry, Inc. Electronic Deliverable Format (EDF) files have been uploaded to the State Water Resources Board GeoTracker website.

If you have any questions, please contact Mr. Daryl Pessler, the SAIC Project Manager, at (714) 257-6404, or Ms. Natasha Molla, the CEMC Project Manager, at (714) 671-3537.

Respectfully submitted,

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

Loureen Gomez
Jr. Project Engineer

T. Michael Pendergrass
Professional Geologist No. 5685

PROFESSIONAL GEOLOGIST
No. 5685
Exp 09/07
STATE OF CALIFORNIA

Attachment 1 – 1st Quarter 2006 Progress Report
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cc: Ms. Natasha Molla, CEMC
SAIC Project File

ATTACHMENT 1

1st QUARTER 2006 PROGRESS REPORT

1. SITE INFORMATION

• Site Case No.	98UT93
• Site Name	Chevron Service Station No. 9-0819
• Address	195 E. 17th Street
• City	Costa Mesa, California

2. RESPONSIBLE PARTY INFORMATION

• Contact	Ms. Natasha Molla
• Company	Chevron Environmental Management Company
• Address	P.O. Box 2292
• City / Zip	Brea, California 92822-2292
• Phone	714 – 671-3537

3. CONSULTANT INFORMATION

• Contact	Mr. Daryl J. Pessler
• Company	Science Applications International Corporation
• Address	590 West Central Avenue, Suite I
• City / Zip	Brea, California 92821
• Phone	714 – 257-6404

4. WORK PERFORMED THIS QUARTER

- Groundwater monitoring

5. WORK PROPOSED FOR NEXT QUARTER

- Groundwater monitoring

6. CURRENT PHASE OF PROJECT (Initial Assessment, Additional Assessment, CAP, Remediation, Post-Remediation Monitoring, etc.):

- Groundwater monitoring

7. DESCRIBE CORRECTIVE AND REMEDIAL TECHNIQUES TO BE IMPLEMENTED IN THE FUTURE AND INCLUDE TIME SCHEDULE FOR THE INITIATION OF THE ASSOCIATED ACTIVITIES (NAPL Removal, Pump and Treat, VES, Excavation, etc.):

- None at this time

8. CURRENTLY MONITORING (Soil, Groundwater, None):

- Groundwater

9. MONITORING FREQUENCY (Quarterly, Monthly, etc.):

- Quarterly

10. DESCRIBE CORRECTIVE AND REMEDIAL TECHNIQUES, INCLUDING INVESTIGATIONS, IMPLEMENTED TO DATE WHICH WERE UNDERTAKEN TO DETERMINE THE NATURE AND EXTENT OF SOIL, GROUNDWATER, OR SURFACE WATER CONTAMINATION (NAPL Removal, Pump and Treat, VES, Excavation, etc.):

- UST removal
- Site assessment
- Additional assessment
- Vapor extraction testing
- Groundwater monitoring

11. CUMULATIVE SOIL REMOVED TO DATE (cubic yards):

- Unknown

12. SOIL REMOVED THIS QUARTER (cubic yards):

- None

13. ARE CONTAMINATED SOILS OR LIQUIDS GENERATED FROM INVESTIGATIONS OR CLEANUPS CURRENTLY STORED ON SITE?

- No
- Date generated N/A
- How much? N/A

ATTACHMENT 2

1st QUARTER 2006 GROUNDWATER SUMMARY

GROUNDWATER MONITORING SUMMARY

CURRENT FIELD ACTIVITIES

Groundwater monitoring frequency:	Quarterly
Activity date:	1/17/2006
Field subcontractor:	Wayne Perry, Inc.
Purging method:	Submersible pump
Purging subcontractor:	Wayne Perry, Inc.
Disposal method/facility:	Bulked offsite / US Filter
Gallons of groundwater purged:	96
Number of groundwater wells total:	4
Number of groundwater wells off-site:	0
Number of wells sampled this period:	4
Number of wells with NAPL:	0
Cumulative NAPL recovered to date (gallons):	None
NAPL recovered this quarter (gallons):	None

SITE HYDROLOGY

Average groundwater elevation (of wells gauged):	68.45 feet above mean sea level
Groundwater elevation change from previous quarter:	+0.01 foot
Approximate groundwater flow direction:	West-southwest
Approximate hydraulic gradient:	0.002 ft/ft

GROUNDWATER CONDITION

Maximum benzene concentration:	ND<0.5 µg/L – All wells
Minimum benzene concentration:	ND<0.5 µg/L – All wells
Historical maximum benzene concentration:	4.3 µg/L – MW-11 (2/26/02)
Maximum MtBE concentration:	32 µg/L – MW-13
Minimum MtBE concentration:	7 µg/L – MW-12
Historical maximum MtBE concentration:	3,680 µg/L – MW-11 (2/26/02: 8260)

GROUNDWATER TRENDS AND OBSERVATIONS

- BTEX, ETBE, DIPE, TAME, TBA were not detected in any samples for this quarter.
- All four wells had a significant reduction in MtBE concentrations over the last three quarters that appears to correspond to an increase in groundwater elevations. Maximum concentrations of MtBE were 1,700 µg/L in 2nd quarter 2005 and 110 µg/L in 3rd quarter 2005. The maximum concentration of MtBE was 32 µg/L this quarter.

ATTACHMENT 3

TABLES

Table 1. Current Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Service Station No. 9-0819
195 E. 17th St., Costa Mesa, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Iron (mg/L)	Nitrate NO_3 (mg/L)	Sulfate (mg/L)	DO (mg/L)	ORP (mV)	Comments
MW-10	1/17/2006	100.67	32.30	68.37	43.48	**270**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**21**	ND<0.5	ND<0.5	ND<0.5	ND<5	**0.015 J**	**2**	**261**	**2.13**	**120**	---
MW-11	1/17/2006	100.18	31.75	68.43	44.02	**160**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**28**	ND<0.5	ND<0.5	ND<0.5	ND<5	**0.015 J**	ND<0.40	**281**	**2.24**	**-31**	---
MW-12	1/17/2006	100.24	31.77	68.47	44.17	**40 J**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**7**	ND<0.5	ND<0.5	ND<0.5	ND<5	**0.0098 J**	**2.6**	**231**	**2.13**	**33**	---
MW-13	1/17/2006	99.95	31.42	68.53	43.94	**77**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**32**	ND<0.5	ND<0.5	ND<0.5	ND<5	**0.095 J**	**0.46 J**	**303**	**2.51**	**-93**	---
Trip Blank	1/17/2006	---	---	---	---	ND<22	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	---	---	---	---	---	---

Notes: µg/L = Micrograms per liter
ND = Not detected
TPHg = Total petroleum hydrocarbons as gasoline analyzed by GC/MS (EPA Method 8260B)
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B.
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B.
DIPE = Di-isopropyl-ether analyzed by EPA Method 8260B.
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B.
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B.
J = denotes value between method detection limit and detection limit for reporting purposes
BTEX analyzed by EPA Method 8260B.

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Service Station No. 9-0819
195 E. 17th St., Costa Mesa, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Iron (mg/L)	Nitrate NO3 (mg/L)	Sulfate (mg/L)	DO (mg/L)	DO (%)	ORP (mV)	PCE (ug/L)	TCE (ug/L)	cis-1,2-DCE (ug/L)	Comments
MW-1	2/11/1993	97.85	34.94	62.91	---	ND<100	ND<0.3	ND<0.3	ND<0.3	ND<0.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	11/12/1993	97.85	33.97	63.88	45.54	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/30/1993	97.85	33.91	63.94	45.51	ND	ND	**2.2**	ND	ND	---	---	---	---	---	---	---	---	---	---	---	**1.1**	**2.9**	---	---
MW-1	2/21/1994	97.85	33.90	63.95	45.44	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	ND	**2.4**	---	---
MW-1	5/5/1994	97.85	33.78	64.07	45.40	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	ND	ND	---	---
MW-1	8/12/1994	97.85	33.74	64.11	---	ND	**1.5**	**1.5**	**0.8**	**2.2**	---	---	---	---	---	---	---	---	---	---	---	**2.1**	**2.4**	---	---
MW-1	11/23/1994	97.85	33.73	64.12	45.45	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	**0.6**	**2.9**	---	---
MW-1	2/1/1995	97.85	33.67	64.18	45.41	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	---
MW-1	5/1/1995	97.85	33.37	64.48	45.41	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	**4.3**	**1.8**	ND	---
MW-1	8/7/1995	97.85	33.23	64.62	45.41	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	2/11/1993	98.01	35.08	62.93	---	ND<100	ND<0.3	ND<0.3	ND<0.3	ND<0.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	11/12/1993	98.01	34.09	63.92	43.26	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	12/30/1993	98.01	34.05	63.96	42.71	ND	**1.9**	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	**75**	**3.5**	---	---
MW-2	2/21/1994	98.01	34.00	64.01	42.60	ND	**8.8**	**0.4**	**1.4**	ND	---	---	---	---	---	---	---	---	---	---	---	**48**	**4.1**	---	---
MW-2	5/5/1994	98.01	33.89	64.12	42.58	ND	**14**	**3.0**	**20**	ND	---	---	---	---	---	---	---	---	---	---	---	**49**	**1.2**	---	---
MW-2	8/12/1994	98.01	33.84	64.17	---	**500**	**5.7**	**5.3**	**42**	**10**	---	---	---	---	---	---	---	---	---	---	---	**79**	**9.0**	---	---
MW-2	11/23/1994	98.01	33.83	64.18	42.53	ND	**5.6**	**1.6**	**1.7**	**2.9**	---	---	---	---	---	---	---	---	---	---	---	**79**	**8.2**	---	---
MW-2	2/1/1995	98.01	33.67	64.34	42.79	**720**	**3.1**	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	**44**	**3.2**	**9.2**	---
MW-2	5/1/1995	98.01	33.46	64.55	42.79	**1400**	ND	**1.3**	**3.1**	**2.8**	---	---	---	---	---	---	---	---	---	---	---	**23**	**2.5**	ND	---
MW-2	8/7/1995	98.01	33.13	64.88	42.79	**1200**	**5.7**	**4.4**	**1.8**	**2.8**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	2/11/1993	98.56	35.72	62.84	---	ND<100	ND<0.3	ND<0.3	ND<0.3	ND<0.6	---	---	---	---	---	---	---	---	---	---	---	**95**	**1.8**	---	---
MW-3	11/12/1993	98.56	34.71	63.85	45.18	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	12/30/1993	98.56	34.68	63.88	45.18	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	**180**	**5.8**	---	---
MW-3	2/21/1994	98.56	34.62	63.94	45.15	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	**170**	**4.4**	---	---
MW-3	5/5/1994	98.56	34.52	64.04	45.09	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	**250**	**6.4**	---	---
MW-3	8/12/1994	98.56	34.47	64.09	---	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	**100**	**3.2**	---	---
MW-3	11/23/1994	98.56	34.48	64.08	42.28	ND	**0.4**	**0.3**	ND	ND	---	---	---	---	---	---	---	---	---	---	---	**180**	**4.9**	---	---
MW-3	2/1/1995	98.56	33.39	65.17	48.15	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	**200**	**2.4**	ND	---
MW-3	5/1/1995	98.56	34.11	64.45	48.15	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	**140**	**2.3**	ND	---
MW-3	8/7/1995	98.56	33.78	64.78	48.15	**75**	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	9/15/2001	98.68	32.69	65.99	---	**107**	ND<1	ND<5	ND<5	ND<5	**168**	ND<1	ND<1	ND<1	**146**	---	---	---	---	---	---	**26**	**1.5J**	**3.4J**	---
MW-10	12/17/2001	98.68	32.81	65.87	43.67	**706**	ND<1	ND<5	ND<5	ND<5	**1,020**	ND<1	ND<1	**8.8**	ND<10	---	---	---	---	---	---	---	---	---	---
MW-10	2/26/2002	98.68	32.94	65.74	43.63	**723**	ND<1	ND<5	ND<5	ND<5	**473**	ND<1	ND<1	**3.6**	**60**	---	---	---	---	---	---	---	---	---	---
MW-10	5/31/2002	98.68	33.08	65.60	43.65	**2,040**	ND<1	ND<5	ND<5	ND<5	**2,300**	ND<1	ND<1	**19**	**1,360**	---	---	---	---	---	---	---	---	---	---
MW-10	9/11/2002	100.67	33.26	67.41	43.65	**727**	ND<1	ND<5	ND<5	ND<5	**696**	ND<1	ND<1	**5.2**	**96**	---	---	---	---	---	---	---	---	---	---
MW-10	12/5/2002	100.67	33.41	67.26	43.62	**1,000**	**1.5**	**4.3 J**	ND<5	**4.5 J**	**662**	ND<1	ND<1	**6.1**	**89**	---	---	---	---	---	---	---	---	---	---
MW-10	3/11/2003	100.67	33.47	67.20	43.66	**340**	ND<5	ND<5	ND<5	ND<5	**560**	ND<10	ND<10	ND<10	ND<50	---	---	---	---	---	---	---	---	---	---
MW-10	5/20/2003	100.67	33.34	67.33	43.55	**300**	ND<4	ND<4	ND<4	ND<4	**310**	ND<8	ND<8	ND<8	ND<40	**0.59**	**4.1**	**360**	**5.33**	---	**260**	---	---	---	---
MW-10	8/20/2003	100.67	33.27	67.40	43.59	**120**	ND<1	ND<1	ND<1	ND<1	**51**	ND<2	ND<2	ND<2	ND<10	ND<0.040	**5.3**	**350**	---	**90.4**	**-65**	---	---	---	---
MW-10	11/19/2003	100.67	33.33	67.34	43.60	**350 J**	ND<5	ND<5	ND<5	ND<5	**450**	ND<10	ND<10	ND<10	ND<50	ND<0.0088	**5.1**	**290**	**6.25**	---	**125**	---	---	---	---
MW-10	2/17/2004	100.67	+	+	+	**130**	ND<5	ND<5	ND<5	ND<5	**36**	ND<10	ND<10	ND<10	ND<50	ND<0.0088	**3.3**	**310**	+	---	+	---	---	---	---
MW-10	5/11/2004	100.67	33.42	67.25	43.50	**140**	ND<1	ND<1	ND<1	ND<1	**27**	ND<2	ND<2	ND<2	ND<10	ND<0.0088	**1.5**	**330**	**9.7**	---	**220**	---	---	---	---
MW-10	8/25/2004	100.67	33.62	67.05	43.61	**130**	ND<1	ND<1	ND<1	ND<1	**56**	ND<2	ND<2	ND<2	ND<10	ND<0.0088	**4.0**	**300**	**6.2**	---	**110**	---	---	---	---
MW-10	11/8/2004	100.67	33.62	67.05	43.58	**140**	ND<1	ND<1	ND<1	ND<1	**100**	ND<2	ND<2	ND<2	ND<10	ND<0.0088	**11**	**320**	**10.01**	---	**301**	---	---	---	---
MW-10	1/31/2005	100.67	33.42	67.25	43.56	**190**	ND<1	ND<1	ND<1	ND<1	**83**	ND<2	ND<2	ND<2	ND<10	ND<0.0088	**8.9**	**330**	**9.41**	---	**234**	---	---	---	---
MW-10	4/21/2005	100.67	32.77	67.90	43.55	**160**	ND<1	ND<1	ND<1	ND<1	**83**	ND<2	ND<2	ND<2	ND<10	---	---	---	---	---	---	---	---	---	---
MW-10	8/1/2005	100.67	32.40	68.27	43.50	**210**	ND<1	ND<1	ND<1	ND<1	**53**	ND<2	ND<2	ND<2	ND<10	---	---	---	---	---	---	---	---	---	---
MW-10	10/20/2005	100.67	32.30	68.37	43.50	**170**	ND<0.28	ND<0.36	ND<0.25	ND<0.52	**63**	ND<0.28	ND<0.25	ND<0.33	ND<3.1	---	---	---	---	---	---	---	---	---	---
MW-10	1/17/2006	100.67	32.30	68.37	43.48	**270**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**21**	ND<0.5	ND<0.5	ND<0.5	ND<5	**0.015 J**	**2**	**261**	**2.13**	---	**120**	---	---	---	---
MW-11	9/15/2001	98.19	32.16	66.03	---	**450**	**1.8**	**13**	ND<5	ND<5	**189**	ND<1	ND<1	**8.1**	**178**	---	---	---	---	---	---	**11**	**3.5J**	**4.9J**	---
MW-11	12/17/2001	98.19	32.27	65.92	44.05	**1,260**	**1.5**	**20**	**14**	**91**	**1,060**	ND<1	ND<1	**8.7**	ND<10	---	---	---	---	---	---	---	---	---	---
MW-11	2/26/2002	98.19	32.40	65.79	44.03	**5,000**	**4.3**	**24**	**23**	**514**	**3,680**	ND<1	ND<1	**36.0**	**633**	---	---	---	---	---	---	---	---	---	---
MW-11	5/31/2002	98.19	32.55	65.64	44.03	**1,390**	ND<10	ND<50	ND<50	**269**	**1,080**	ND<10	ND<10	**15**	**302**	---	---	---	---	---	---	---	---	---	---
MW-11	9/11/2002	100.18	32.73	67.45	44.10	**396**	ND<1	ND<5	ND<5	**7.1**	**83**	ND<1	ND<1	ND<1	**40**	---	---	---	---	---	---	---	---	---	---
MW-11	12/5/2002	100.18	32.89	67.29	44.07	**718**	**1.0**	ND<5	**9.6**	**38**	**319**	ND<1	ND<1	**4.6**	**154**	---	---	---	---	---	---	---	---	---	---
MW-11	3/11/2003	100.18	32.94	67.24	44.04	**430**	ND<4	ND<4	ND<4	ND<4	**270**	ND<8	ND<8	ND<8	ND<40	---	---	---	---	---	---	---	---	---	---
MW-11	5/20/2003	100.18	32.80	67.38	43.98	**510**	ND<4	ND<4	ND<4	ND<4	**340**	ND<8	ND<8	ND<8	**42 J**	**0.18**	**0.92 J**	**280**	**5.64**	---	**195**	---	---	---	---
MW-11	8/20/2003	100.18	32.74	67.44	44.01	ND<2,500	ND<50	ND<50	ND<50	ND<50	**3,000**	ND<100	ND<100	ND<100	ND<500	ND<0.040	ND<1	**200**	---	**96.0**	**-50**	---	---	---	---
MW-11	11/19/2003	100.18	32.79	67.39	44.02	1000 J	ND<20	ND<20	ND<20	ND<20	**1,400**	ND<40	ND<40	ND<40	ND<200	0.092	ND<0.64	**200**	**6.81**	---	**0**	---	---	---	---
MW-11	2/17/2004	100.18	+	+	+	**980 J**	ND<10	ND<10	ND<10	ND<10	**1,200**	ND<20	ND<20	ND<20	ND<100	ND<0.0088	ND<0.32	**200**	+	---	+	---	---	---	---
MW-11	5/11/2004	100.18	32.88	67.30	43.96	**430 J**	ND<5	ND<5	ND<5	ND<5	**430**	ND<10	ND<10	ND<10	**86 J**	ND<0.0088	ND<0.32	**160**	**10.4**	---	**284**	---	---	---	---

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Service Station No. 9-0819
195 E. 17th St., Costa Mesa, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Iron (mg/L)	Nitrate NO3 (mg/L)	Sulfate (mg/L)	DO (mg/L)	DO (%)	ORP (mV)	PCE (ug/L)	TCE (ug/L)	cis-1,2-DCE (ug/L)	Comments
MW-11	8/25/2004	100.18	33.08	67.10	44.04	**430 J**	ND<5	ND<5	ND<5	ND<5	**550**	ND<10	ND<10	ND<10	**98 J**	**0.5**	**0.32 J**	**160**	**8.5**	---	**120**	---	---	---	---
MW-11	11/8/2004	100.18	33.08	67.10	44.02	**530 J**	ND<10	ND<10	ND<10	ND<10	**610**	ND<20	ND<20	ND<20	**110 J**	**0.33**	ND<0.32	**180**	**8.82**	---	**316**	---	---	---	---
MW-11	1/31/2005	100.18	32.88	67.30	44.03	**550**	ND<1	ND<1	ND<1	ND<1	**760**	ND<2	ND<2	ND<2	**170**	**0.66**	ND<0.64	**180**	**9.21**	---	**235**	---	---	---	---
MW-11	4/21/2005	100.18	32.23	67.95	44.01	**720**	ND<20	ND<20	ND<20	ND<20	**1,700**	ND<40	ND<40	ND<40	ND<200	---	---	---	---	---	---	---	---	---	---
MW-11	8/1/2005	100.18	31.87	68.31	44.02	**350**	ND<1	ND<1	ND<1	ND<1	**110**	ND<2	ND<2	ND<2	**20 J**	---	---	---	---	---	---	---	---	---	---
MW-11	10/20/2005	100.18	31.77	68.41	44.01	**230**	ND<0.28	ND<0.36	ND<0.25	ND<0.52	**40**	ND<0.28	ND<0.25	ND<0.33	**8.9 J**	---	---	---	---	---	---	---	---	---	---
MW-11	1/17/2006	100.18	31.75	68.43	44.02	**160**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**28**	ND<0.5	ND<0.5	ND<0.5	ND<5	**0.015 J**	ND<0.40	**281**	**2.24**	---	**-31**	---	---	---	---
MW-12	9/15/2001	98.25	32.19	66.06	---	ND<100	ND<1	ND<5	ND<5	ND<5	**18**	ND<1	ND<1	ND<1	ND<10	---	---	---	---	---	---	**6.2**	**5.7**	ND<5	---
MW-12	12/17/2001	98.25	32.29	65.96	44.22	ND<100	ND<1	ND<5	ND<5	ND<5	**76**	ND<1	ND<1	ND<1	ND<10	---	---	---	---	---	---	---	---	---	---
MW-12	2/26/2002	98.25	32.42	65.83	44.22	ND<100	ND<1	ND<5	ND<5	ND<5	**69**	ND<1	ND<1	ND<1	**31**	---	---	---	---	---	---	---	---	---	---
MW-12	5/31/2002	98.25	32.57	65.68	44.22	ND<100	ND<1	ND<5	ND<5	ND<5	**30**	ND<1	ND<1	ND<1	ND<10	---	---	---	---	---	---	---	---	---	---
MW-12	9/11/2002	100.24	32.75	67.49	44.22	ND<100	ND<1	ND<5	ND<5	ND<5	**26**	ND<1	ND<1	ND<1	ND<10	---	---	---	---	---	---	---	---	---	---
MW-12	12/5/2002	100.24	32.90	67.34	44.20	ND<100	ND<1	ND<5	ND<5	ND<5	**3.1**	ND<1	ND<1	ND<1	ND<10	---	---	---	---	---	---	---	---	---	---
MW-12	3/11/2003	100.24	32.95	67.29	44.21	ND<50	ND<1	ND<1	ND<1	ND<1	**3.0 J**	ND<2	ND<2	ND<2	ND<10	---	---	---	---	---	---	---	---	---	---
MW-12	5/20/2003	100.24	32.83	67.41	44.14	ND<50	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	**0.049**	**4.1**	**260**	**6.6**	---	**195**	---	---	---	---
MW-12	8/20/2003	100.24	32.77	67.47	44.19	ND<50	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	ND<0.040	**2.3**	**240**	---	**93.3**	**-100**	---	---	---	---
MW-12	11/19/2003	100.24	32.82	67.42	44.10	ND<50	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	**0.090**	**1.3**	**210**	**6.87**	---	**95**	---	---	---	---
MW-12	2/17/2004	100.24	+	+	+	ND<50	ND<1	ND<1	ND<1	ND<1	**2.9 J**	ND<2	ND<2	ND<2	ND<10	ND<0.0088	**0.45 J**	**190**	+	---	+	---	---	---	---
MW-12	5/11/2004	100.24	32.90	67.34	44.14	ND<50	ND<1	ND<1	ND<1	ND<1	**40**	ND<2	ND<2	ND<2	ND<10	ND<0.0088	**0.78**	**200**	**10.1**	---	**247**	---	---	---	---
MW-12	8/25/2004	100.24	33.11	67.13	44.21	ND<250	ND<5	ND<5	ND<5	ND<5	**300**	ND<10	ND<10	ND<10	ND<50	**0.26**	**2.5**	**230**	**5.6**	---	**150**	---	---	---	---
MW-12	11/8/2004	100.24	33.10	67.14	44.20	**240**	ND<5	ND<5	ND<5	ND<5	**340**	ND<10	ND<10	ND<10	ND<50	**0.14**	**2.7**	**250**	**10.69**	---	**349**	---	---	---	---
MW-12	1/31/2005	100.24	32.90	67.34	44.19	**250**	ND<1	ND<1	ND<1	ND<1	**430**	ND<2	ND<2	ND<2	**39**	**0.23**	**4.6**	**240**	**9.11**	---	**129**	---	---	---	---
MW-12	4/21/2005	100.24	32.24	68.00	44.17	**120**	ND<1	ND<1	ND<1	ND<1	**160**	ND<2	ND<2	ND<2	**14 J**	---	---	---	---	---	---	---	---	---	---
MW-12	8/1/2005	100.24	31.87	68.37	44.20	**66 J**	ND<1	ND<1	ND<1	ND<1	**18**	ND<2	ND<2	ND<2	ND<10	---	---	---	---	---	---	---	---	---	---
MW-12	10/20/2005	100.24	31.78	68.46	44.16	**61 J**	ND<0.28	ND<0.36	ND<0.25	ND<0.52	**13**	ND<0.28	ND<0.25	ND<0.33	ND<3.1	---	---	---	---	---	---	---	---	---	---
MW-12	1/17/2006	100.24	31.77	68.47	44.17	**40 J**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**7**	ND<0.5	ND<0.5	ND<0.5	ND<5	**0.0098 J**	**2.6**	**231**	**2.13**	---	**33**	---	---	---	---
MW-13	9/15/2001	97.95	31.84	66.11	---	**274**	ND<1	ND<5	ND<5	ND<5	ND<1	ND<1	ND<1	ND<1	ND<10	---	---	---	---	---	---	**5.2**	**12**	ND<5	---
MW-13	12/17/2001	97.95	31.94	66.01	43.95	**163**	ND<1	ND<5	ND<5	ND<5	ND<1	ND<1	ND<1	ND<1	ND<10	---	---	---	---	---	---	---	---	---	---
MW-13	2/26/2002	97.95	32.08	65.87	43.92	**112**	ND<1	ND<5	ND<5	ND<5	ND<1	ND<1	ND<1	ND<1	ND<10	---	---	---	---	---	---	---	---	---	---
MW-13	5/31/2002	97.95	32.23	65.72	43.90	**114**	ND<1	ND<5	ND<5	ND<5	ND<1	ND<1	ND<1	ND<1	ND<10	---	---	---	---	---	---	---	---	---	---
MW-13	9/11/2002	99.95	32.41	67.54	43.93	ND<100	ND<1	ND<5	ND<5	ND<5	ND<1	ND<1	ND<1	ND<1	ND<10	---	---	---	---	---	---	---	---	---	---
MW-13	12/5/2002	99.95	32.56	67.39	43.91	**279**	**1.6**	ND<5	ND<5	ND<5	**52**	ND<1	ND<1	ND<1	ND<10	---	---	---	---	---	---	---	---	---	---
MW-13	3/11/2003	99.95	32.62	67.33	43.83	**360**	**2.8 J**	ND<1	**10**	ND<1	**130**	ND<2	ND<2	ND<2	**18 J**	---	---	---	---	---	---	---	---	---	---
MW-13	5/20/2003	99.95	32.48	67.47	43.83	**240**	**1.2 J**	ND<1	ND<1	ND<1	**67**	ND<2	ND<2	ND<2	**14 J**	**6.6**	**3.8**	**310**	**7.69**	---	**210**	---	---	---	---
MW-13	8/20/2003	99.95	32.42	67.53	43.90	**89 J**	ND<1	ND<1	ND<1	ND<1	**30**	ND<2	ND<2	ND<2	ND<10	**0.32**	**2.8**	**320**	---	**97.2**	**-75**	---	---	---	---
MW-13	11/19/2003	99.95	32.46	67.49	43.93	**160**	ND<1	ND<1	ND<1	ND<1	**120**	ND<2	ND<2	ND<2	**13 J**	**2.3**	**2.4**	**290**	**5.57**	---	**115**	---	---	---	---
MW-13	2/17/2004	99.95	+	+	+	**400**	**2.4 J**	ND<2	**3.9 J**	ND<2	**380**	ND<4	ND<4	ND<4	**58**	**0.064**	**1.0**	**240**	+	---	+	---	---	---	---
MW-13	5/11/2004	99.95	32.56	67.39	43.88	**280 J**	ND<5	ND<5	ND<5	ND<5	**260**	ND<10	ND<10	ND<10	ND<50	ND<0.0088	**1.2**	**230**	**9.7**	---	**203**	---	---	---	---
MW-13	8/25/2004	99.95	32.77	67.18	43.95	**340 J**	ND<5	ND<5	ND<5	ND<5	**490**	ND<10	ND<10	ND<10	**83 J**	**8.8**	**0.92**	**240**	**6.0**	---	**70**	---	---	---	---
MW-13	11/8/2004	99.95	32.76	67.19	43.91	**640**	ND<5	ND<5	ND<5	ND<5	**880**	ND<10	ND<10	ND<10	**92 J**	**3.0**	**1.3**	**230**	**9.53**	---	**-116**	---	---	---	---
MW-13	1/31/2005	99.95	32.57	67.38	43.93	**430**	ND<1	ND<1	ND<1	ND<1	**360**	ND<2	ND<2	ND<2	**72**	**4.9**	**2.3**	**250**	**9.20**	---	**-79**	---	---	---	---
MW-13	4/21/2005	99.95	31.90	68.05	43.92	**140**	ND<1	ND<1	ND<1	ND<1	**74**	ND<2	ND<2	ND<2	ND<10	---	---	---	---	---	---	---	---	---	---
MW-13	8/1/2005	99.95	31.52	68.43	43.96	**93 J**	ND<1	ND<1	ND<1	ND<1	**12**	ND<2	ND<2	ND<2	ND<10	---	---	---	---	---	---	---	---	---	---
MW-13	10/20/2005	99.95	31.42	68.53	43.95	**64 J**	ND<0.28	ND<0.36	ND<0.25	ND<0.52	**31**	ND<0.28	ND<0.25	ND<0.33	ND<3.1	---	---	---	---	---	---	---	---	---	---
MW-13	1/17/2006	99.95	31.42	68.53	43.94	**77**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**32**	ND<0.5	ND<0.5	ND<0.5	ND<5	**0.095 J**	**0.46 J**	**303**	**2.51**	---	**-93**	---	---	---	---
Trip Blank	9/15/2001	---	---	---	---	ND<100	ND<1	ND<5	ND<5	ND<5	ND<1	ND<1	ND<1	ND<1	ND<10	---	---	---	---	---	---	ND<5	ND<5	ND<5	---
Trip Blank	12/17/2001	---	---	---	---	ND<100	ND<1	ND<5	ND<5	ND<5	ND<1	ND<1	ND<1	ND<1	ND<10	---	---	---	---	---	---	---	---	---	---
Trip Blank	2/26/2002	---	---	---	---	ND<100	ND<1	ND<5	ND<5	ND<5	ND<1	ND<1	ND<1	ND<1	ND<10	---	---	---	---	---	---	---	---	---	---
Trip Blank	5/31/2002	---	---	---	---	ND<100	ND<1	ND<5	ND<5	ND<5	ND<1	ND<1	ND<1	ND<1	ND<10	---	---	---	---	---	---	---	---	---	---
Trip Blank	9/11/2002	---	---	---	---	ND<100	ND<1	ND<5	ND<5	ND<5	ND<1	ND<1	ND<1	ND<1	ND<10	---	---	---	---	---	---	---	---	---	---
Trip Blank	12/5/2002	---	---	---	---	ND<50	ND<1	ND<5	ND<5	ND<5	ND<1	ND<1	ND<1	ND<1	ND<10	---	---	---	---	---	---	---	---	---	---
Trip Blank	3/11/2003	---	---	---	---	ND<50	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	---	---	---	---	---	---	---	---	---	---
Trip Blank	5/20/2003	---	---	---	---	ND<50	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	---	---	---	---	---	---	---	---	---	---
Trip Blank	8/20/2003	---	---	---	---	ND<50	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	---	---	---	---	---	---	---	---	---	---
Trip Blank	11/19/2003	----	----	----	----	ND<50	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	---	---	---	---	---	---	---	---	---	---
Trip Blank	2/17/2004	---	---	---	---	ND<50	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	---	---	---	---	---	---	---	---	---	---
Trip Blank	5/11/2004	---	---	---	---	ND<50	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	---	---	---	---	---	---	---	---	---	---
Trip Blank	8/25/2004	---	---	---	---	ND<50	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	---	---	---	---	---	---	---	---	---	---
Trip Blank	11/8/2004	---	---	---	---	ND<50	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	---	---	---	---	---	---	---	---	---	---
Trip Blank	4/21/2005	---	---	---	---	ND<50	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	---	---	---	---	---	---	---	---	---	---
Trip Blank	8/1/2005	---	---	---	---	ND<50	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	---	---	---	---	---	---	---	---	---	---
Trip Blank	10/20/2005	---	---	---	---	ND<50	ND<0.28	ND<0.36	ND<0.25	ND<0.52	ND<0.32	ND<0.28	ND<0.25	ND<0.33	ND<3.1	---	---	---	---	---	---	---	---	---	---

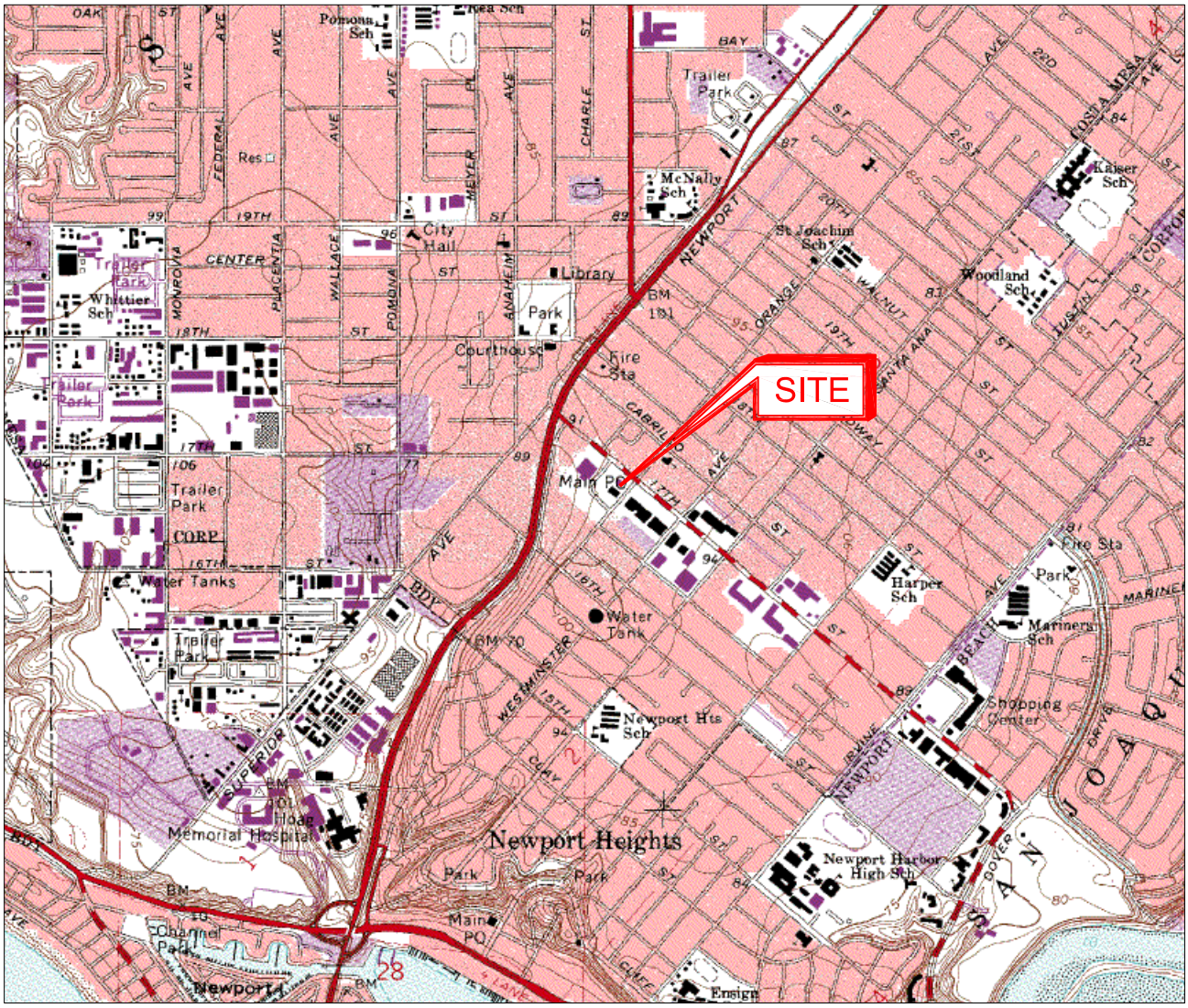
Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Service Station No. 9-0819
195 E. 17th St., Costa Mesa, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Iron (mg/L)	Nitrate NO3 (mg/L)	Sulfate (mg/L)	DO (mg/L)	DO (%)	ORP (mV)	PCE (ug/L)	TCE (ug/L)	cis-1,2-DCE (ug/L)	Comments
Trip Blank	1/17/2006	---	---	---	---	ND<22	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	---	---	---	---	---	---	---	---	---	---	---

Notes:
µg/L = Micrograms per liter
mg/L = Milligrams per liter
mV = Millivolts
NAPL = Non-aqueous phase liquid
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015B or GC/MS (EPA Method 8260B)
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260
DIPE = Di-isopropyl ether analyzed by EPA Method 8260
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260
DO = Dissolved Oxygen
ORP = Oygen Reduction Potential
PCE = Tetrachloroethene analyzed by EPA Method 8260
TCE = Trichloroethene analyzed by EPA Method 8260
cis-1,2-DCE = cis-1,2-Dichloroethene analyzed by EPA Method 8260
J = denotes value between method detection limit and detection limit for reporting purposes
BTEX analyzed by EPA Method 8021 prior to 2000, and EPA Method 8260 after unless noted
* 4/25/02, wells resurveyed per AB2886 requirements. Historical elevations measured to NGVD29 datum.
New elevations measured to NAVD88, giving elevations approx. 1.5 to 2.5 feet higher than NGVD29 datum.
+ Depth to groundwater, groundwater elevation, depth of well, DO and ORP are not recorded due to field notes from this sampling event missing.

ATTACHMENT 4

PLATES



N

SCALE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

Chevron Environmental Management Company
FORMER SERVICE STATION NO. 9-0819
195 EAST 17TH STREET
COSTA MESA, CALIFORNIA

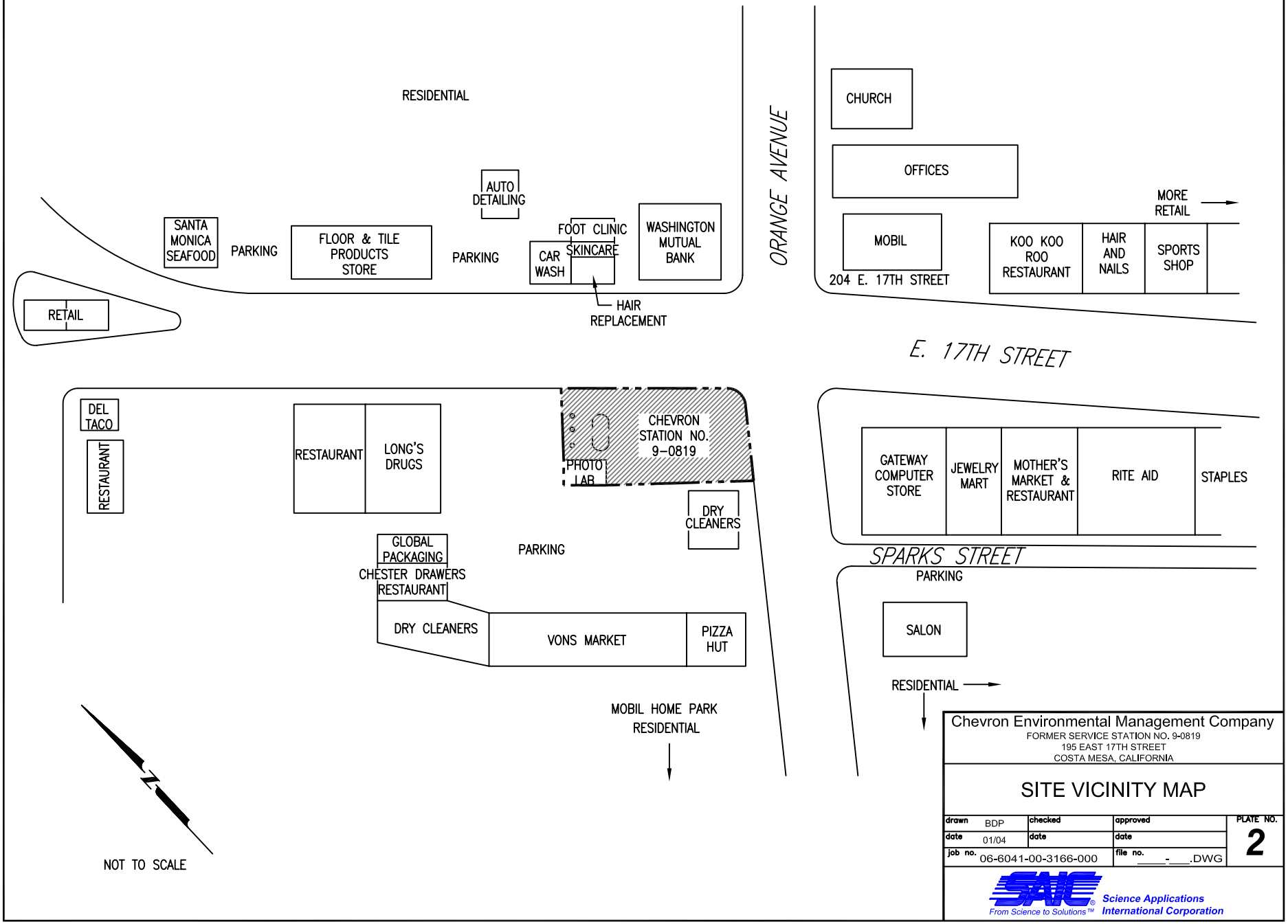
SITE LOCATION MAP

drawn	checked	approved	PLATE NO.
BDP			1
date 01/04	date	date	
job no. 06-6041-00-7460-000		file no. ____-___.DWG	

SAIC From Science to Solutions™ Science Applications International Corporation

REFERENCE: USGS 7.5-MINUTE QUADRANGLE, NEWPORT BEACH, CALIFORNIA (PHOTOREVISED 1981)

FILE: X:\Drafting\9-0819\BASE\SITE LOCATION MAP.dwg [Layout1]



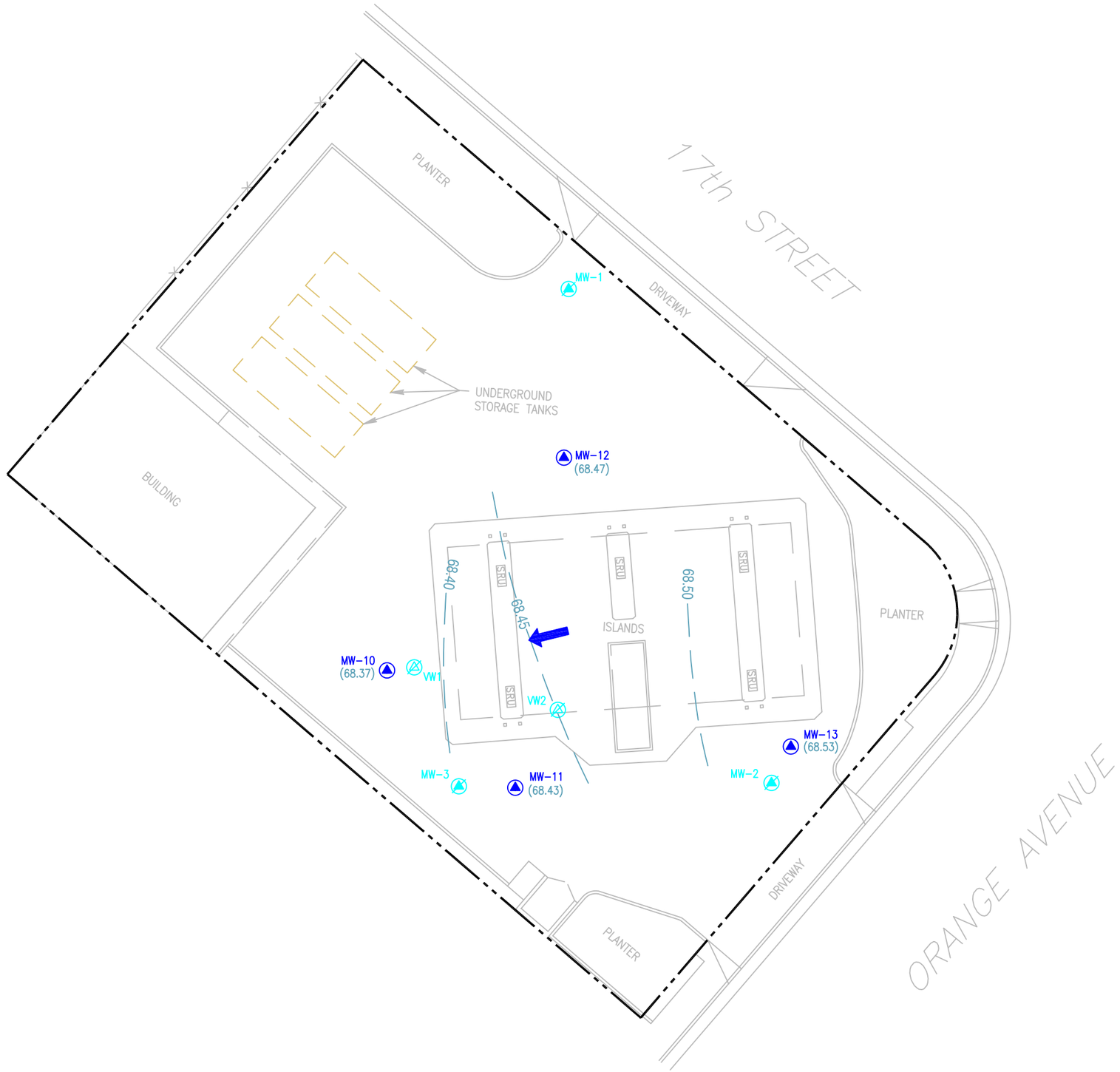
FILE: X:\Drafting\9-0819\BASE\SITE VICINITY.dwg [Model]

Chevron Environmental Management Company
FORMER SERVICE STATION NO. 9-0819
195 EAST 17TH STREET
COSTA MESA, CALIFORNIA

SITE VICINITY MAP

drawn	checked	approved	PLATE NO.
BDP			2
date 01/04	date	date	
job no. 06-6041-00-3166-000		file no. ____-___.DWG	

SAIC® From Science to Solutions™ Science Applications International Corporation



EXPLANATION

- GROUNDWATER MONITORING WELL LOCATION
- DESTROYED BEI MONITORING WELL LOCATION
- DESTROYED BEI VENT WELL LOCATION
- (68.43) GROUNDWATER ELEVATION IN FEET MEAN SEA LEVEL
- 68.40 GROUNDWATER ELEVATION CONTOUR IN FEET MEAN SEA LEVEL
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW (APPROXIMATE HYDRAULIC GRADIENT = 0.002 FT/FT)

NOTE:
ALL CONTOUR LINES ARE AN INTERPRETATION BASED ON THE RESULTS OF THE WELL GAUGING DATA FOR THIS QUARTER.

N

APPROXIMATE
Scale 0 10 20 feet

Chevron Environmental Management Company
SERVICE STATION NO. 9-0819
195 EAST 17TH STREET
COSTA MESA, CALIFORNIA

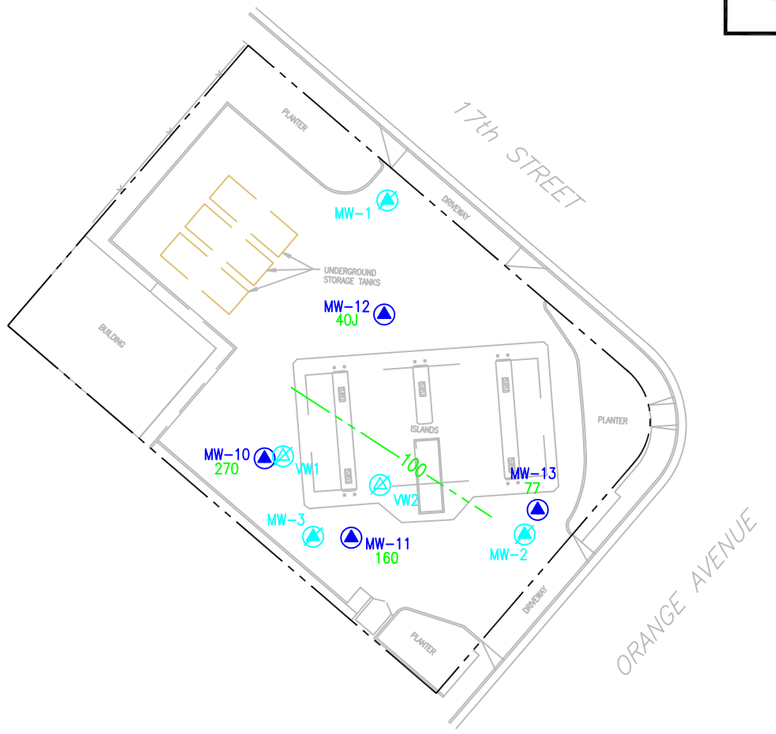
GROUNDWATER CONTOUR MAP
JANUARY 17, 2006

drawn HDS	checked	approved	PLATE NO. 3
date 02/06	date	date	
job no. 06-6102-00-7460-070		file no. Q0819-CHEM061	

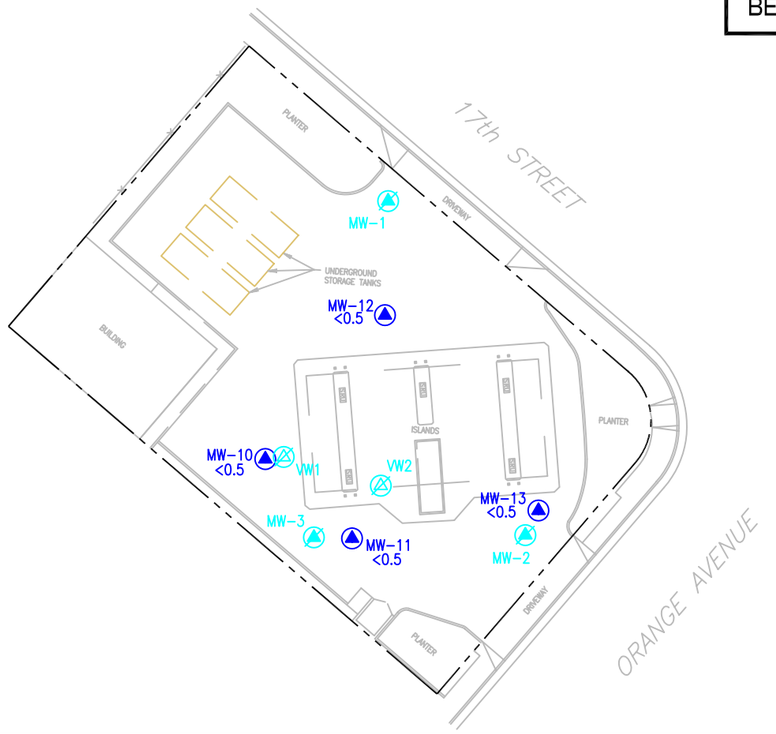
SAIC From Science to Solutions™ Science Applications International Corporation

FILE: X:\Drafting\9-0819\2006 QTRLY\Q0819-GW061.dwg [Model]

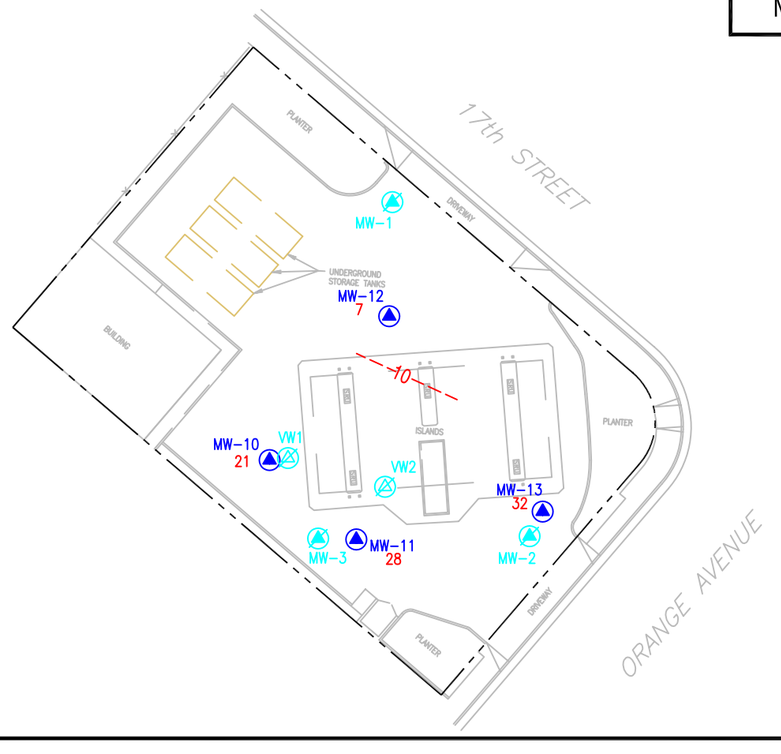
TPHg



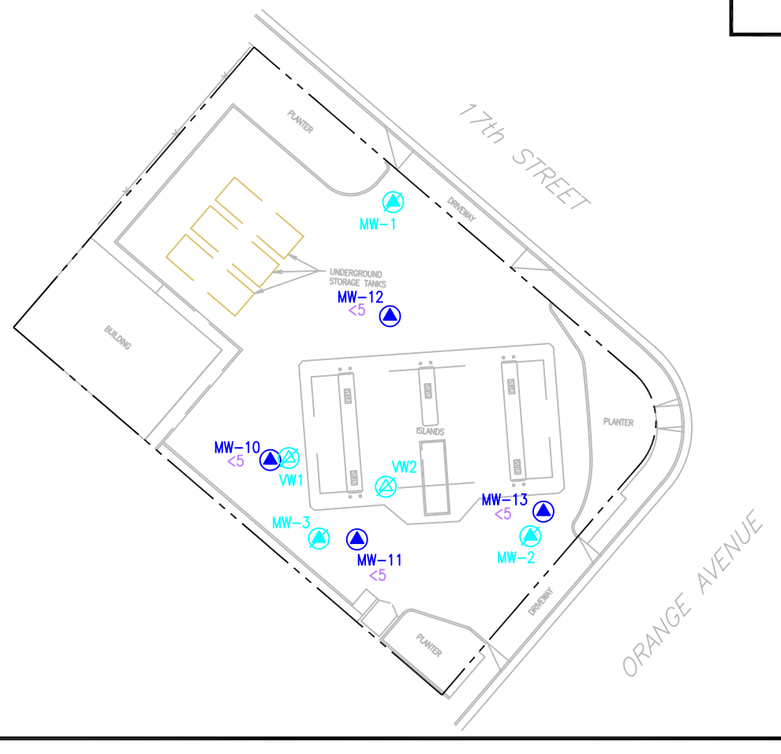
BENZENE



MTBE



TBA



EXPLANATION

- GROUNDWATER MONITORING WELL LOCATION
- DESTROYED BEI MONITORING WELL LOCATION
- DESTROYED BEI VENT WELL LOCATION

CONCENTRATION IN MICROGRAMS PER LITER (ug/L) FOR:

- <22 TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (TPHg)
- <0.5 BENZENE
- <0.5 METHYL TERTIARY-BUTYL ETHER (MTBE)
- <5 TERTIARY-BUTYL ALCOHOL (TBA)

ISOCONCENTRATION LINE (ug/L); QUERIED WHERE LOCATION IS CONJECTURAL FOR:

- TPHg
- MTBE

- <50 NOT DETECTED ABOVE LABORATORY REPORTING LIMIT. NUMBER INDICATES LOWEST REPORTING LIMIT USING EPA METHODS 8015B OR 8260B.
- J ESTIMATED VALUE BETWEEN THE METHOD DETECTION LIMIT (MDL) AND THE ESTIMATED QUANTITATION LIMIT (EQL).

N

APPROXIMATE

Scale 0 20 40 feet

Chevron Environmental Management Company

SERVICE STATION NO. 9-0819
195 EAST 17TH STREET
COSTA MESA, CALIFORNIA

DISSOLVED HYDROCARBON CONCENTRATION MAP
FOR GROUNDWATER SAMPLES
JANUARY 17, 2006

drawn HDS	checked	approved	PLATE NO. 4
date 02/06	date	date	
job no. 06-6102-00-7460-070		file no. Q0819-CHEM061	

SAIC® Science Applications International Corporation
From Science to Solutions™

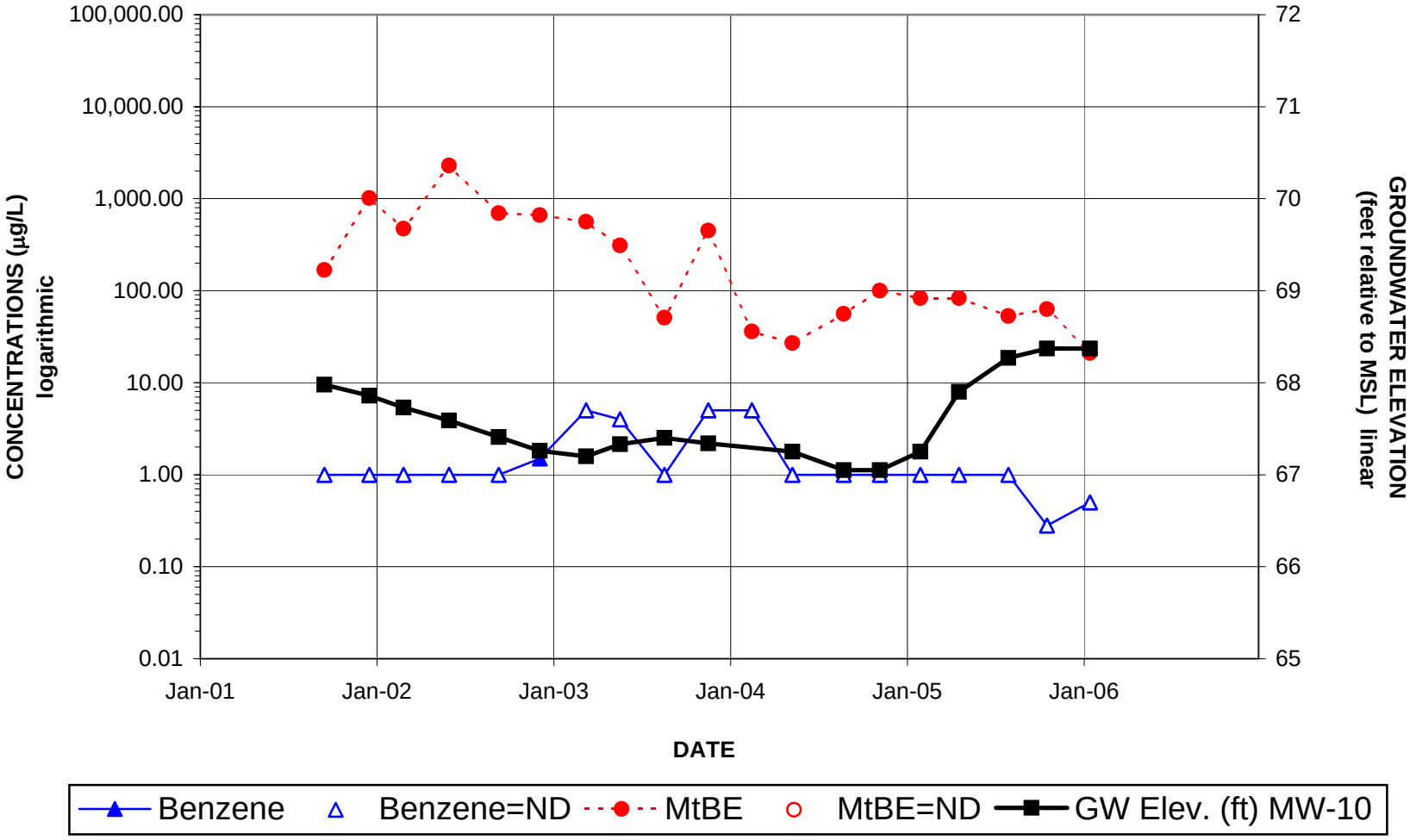
FILE: X:\Drafting\9-0819\2006 QTRLY\Q0819-CHEM061.dwg [Model]

ATTACHMENT 5

HYDROGRAPHS

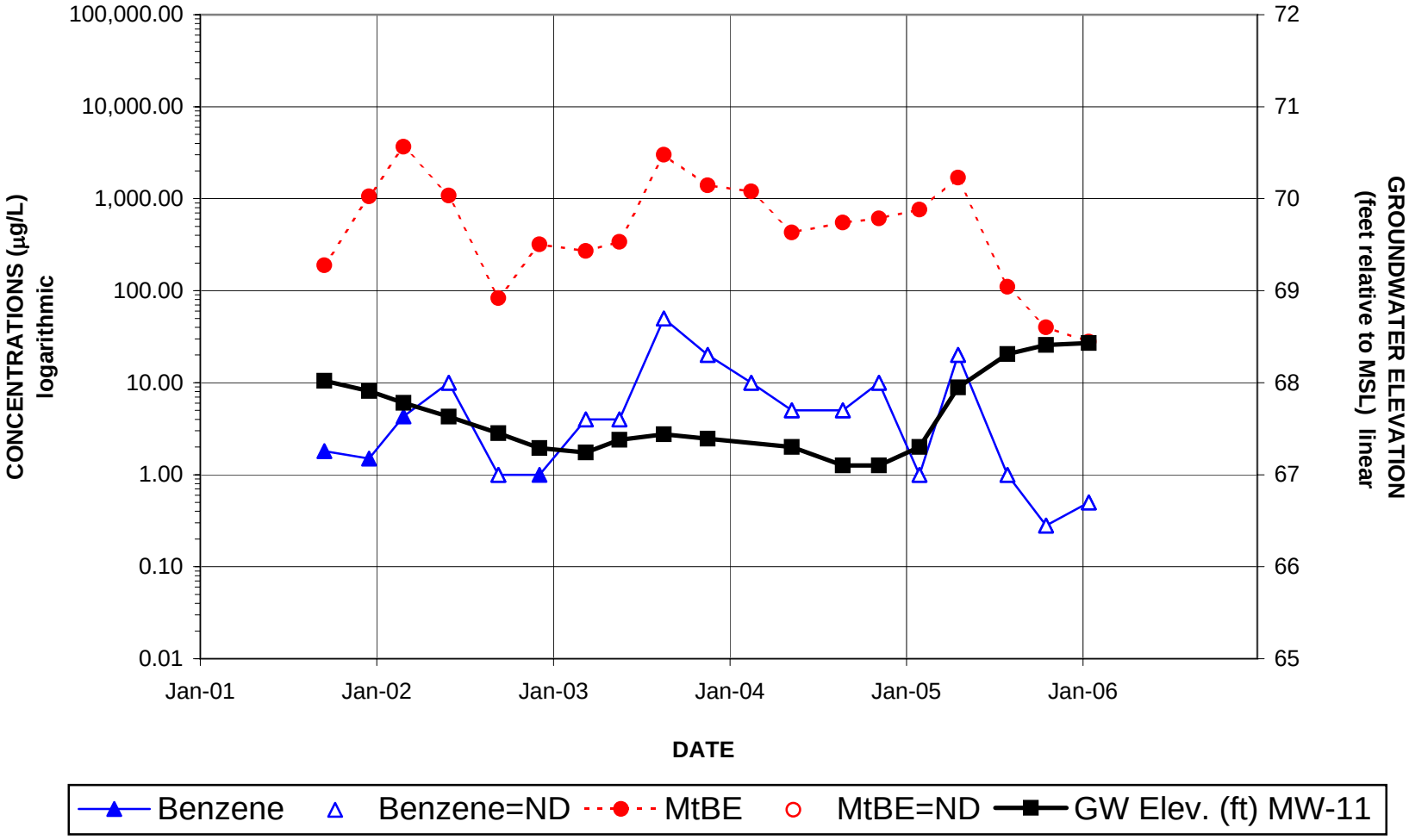
Chevron Environmental Management Company
Service Station No. 9-0819
195 E. 17th Street, Costa Mesa, California
Well MW-10

BENZENE AND MTBE CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



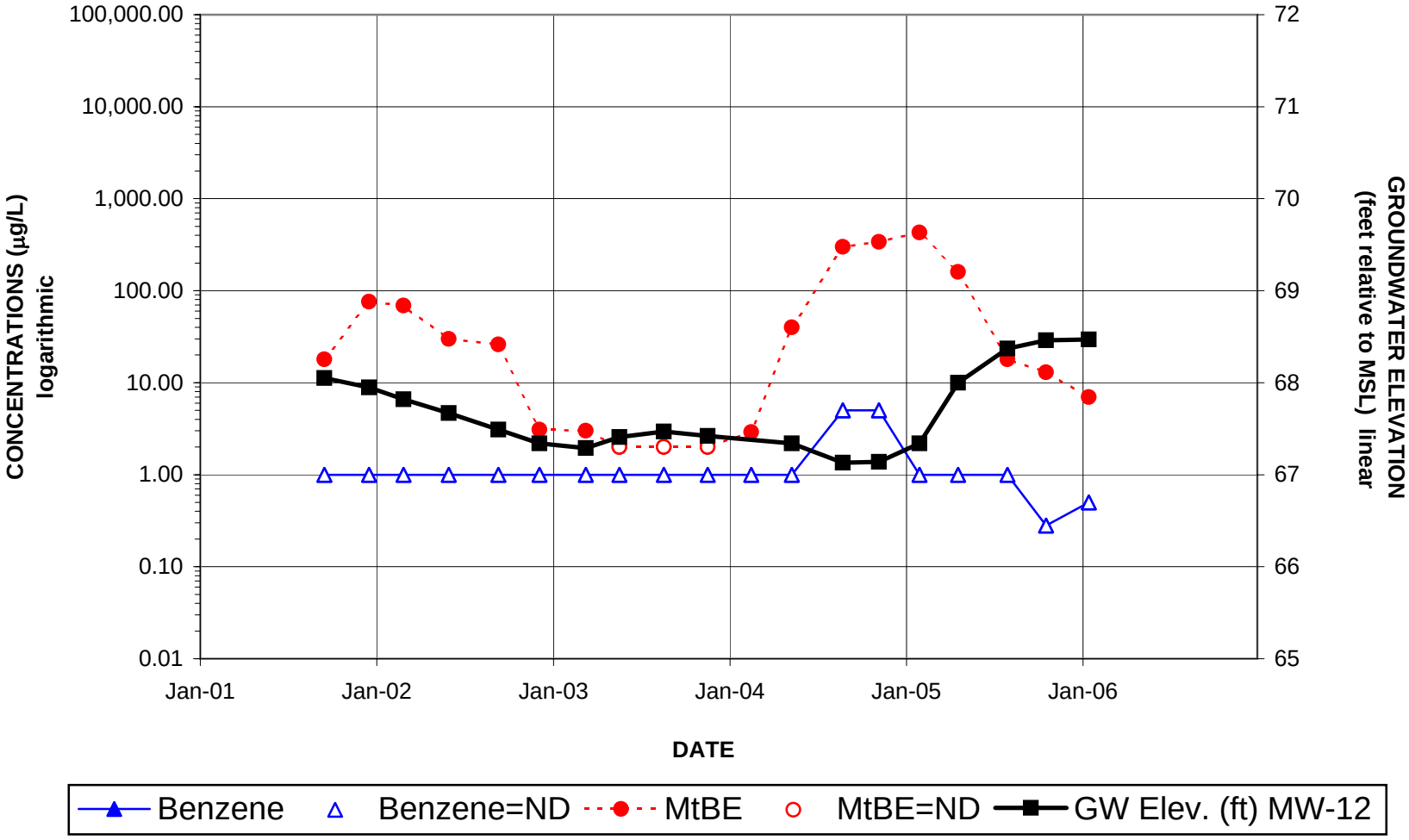
Chevron Environmental Management Company
Service Station No. 9-0819
195 E. 17th Street, Costa Mesa, California
Well MW-11

BENZENE AND MTBE CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



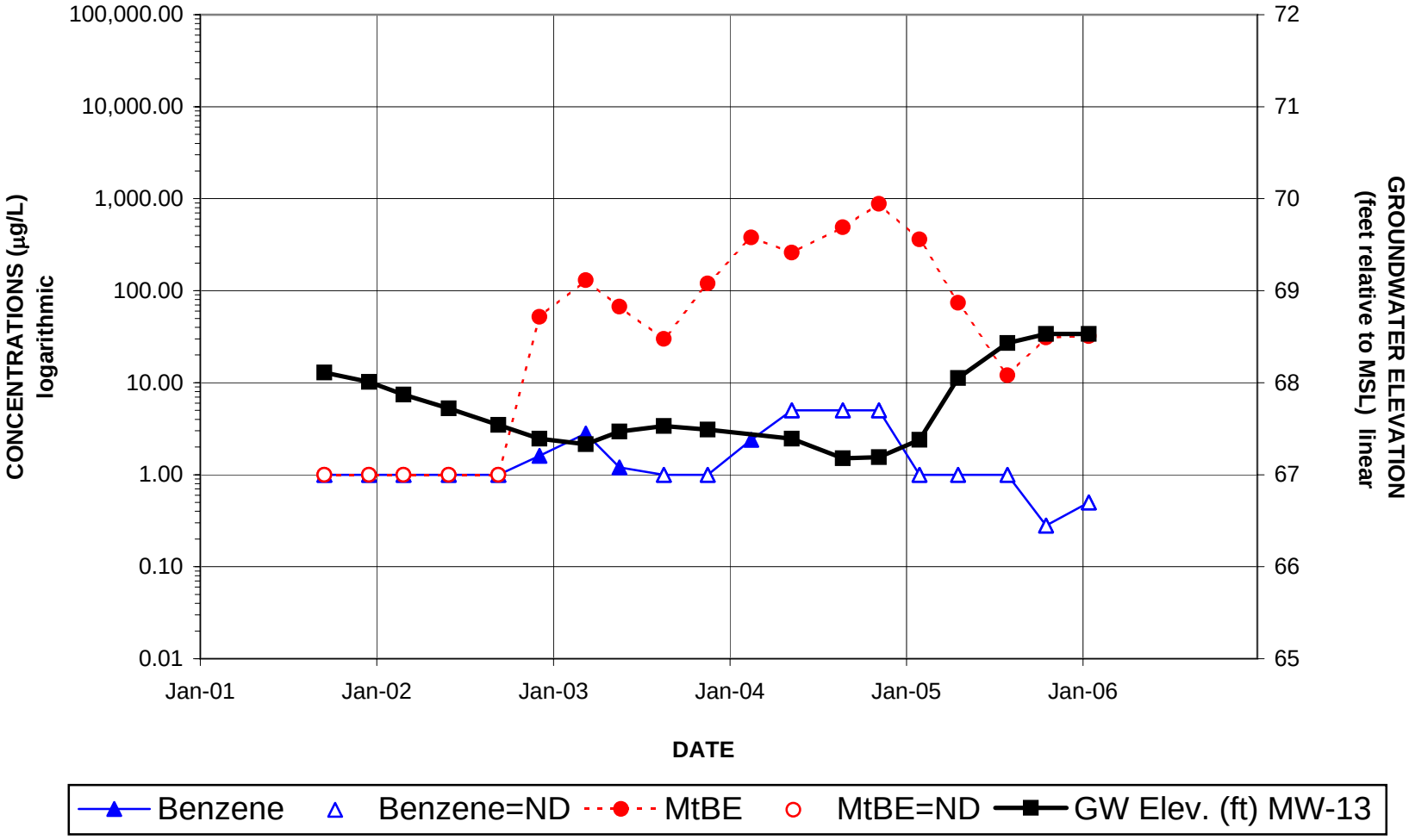
Chevron Environmental Management Company
Service Station No. 9-0819
195 E. 17th Street, Costa Mesa, California
Well MW-12

BENZENE AND MTBE CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



Chevron Environmental Management Company
Service Station No. 9-0819
195 E. 17th Street, Costa Mesa, California
Well MW-13

BENZENE AND MTBE CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



ATTACHMENT 6

GROUNDWATER SAMPLING PROCEDURES AND FIELD SHEETS

Wayne Perry, Inc.
8281 Commonwealth Avenue Buena Park, California 90621 Phone (714) 826-0352 (800) 883-0352

January 20, 2006

Attention: Ms. Karen Simons
Scientific Applications International Corporation
570 W. Central Avenue, Suite A
Brea, California 92821

Subject: Groundwater Monitoring First Quarter 2006
Chevron Environmental Management Company Station 9-0819
195 East 17th Street and Orange Street
Costa Mesa, California
WPI Project Number 01.902

Dear Ms. Simons:

Enclosed is a summary of groundwater monitoring activities performed by Wayne Perry, Inc at the Chevron Environmental Management Company Station 9-0819, located at 195 E 17th Street in the city of Costa Mesa The contents of this field documentation packet include the following:

Groundwater Sampling Procedures and Field Sheets
Chain of Custody Forms

Please contact Ms. Truedi Balsitis of Wayne Perry, Inc at (714) 826-0352 for questions regarding the sampling activities and procedures provided herein

Sincerely,

David M. Henry
California Professional Geologist 4085

ATTACHMENTS

Groundwater Sampling Procedures and Field Sheets
Chain of Custody

GROUNDWATER SAMPLING PROCEDURES

Before purging, each well was measured for depth of well, depth to water, and phase-separated hydrocarbon thickness. Groundwater depths were measured using an electronic water/hydrocarbon interface probe calibrated to one hundredth of a foot. The interface probe was washed in non-phosphate soap and triple rinsed in distilled water between wells.

Purged groundwater containing dissolved- or phase-separated petroleum hydrocarbons if present was evacuated with an air lift pump or bailer and placed in sealed DOT drums. Purged groundwater was bulked and transported to US Filters in Los Angeles for disposal.

Prior to sampling, wells were purged of water with a stainless steel or PVC bailer. Fast recharging wells were purged of three casing volumes of water. Slow recharging wells were purged until dry and allowed to recover for approximately two hours or until the well recovered 80 percent of the initial water column height before sampling. Each casing volume of water was field tested for temperature, conductivity, pH, turbidity, dissolved oxygen and oxygen reduction potential. The well sample of water was field tested for turbidity. Field testing data follows this page.

Water samples were obtained using a disposable bailer equipped with a bottom emptying device and placed in laboratory supplied 40 ml VOA vials with acid preservative. Samples were sealed, labeled, and placed on ice to reduce the potential for volatilization. In addition to samples from the wells, a trip blank was prepared to verify the integrity of the sampling and laboratory procedures.

Water samples were shipped to Lancaster Laboratories in Lancaster, Pennsylvania following appropriate chain-of-custody procedures. Groundwater samples were tested for total petroleum hydrocarbons-gasoline, benzene, toluene, ethylbenzene, xylenes, and oxygenates using EPA Test Method 8260B. Samples for sulfate, nitrates and ferrous iron analyses were also collected.

WAYNE PERRY, INC
Gauging Sheet
Recovery Record

For: CHEVRON

Job Number: 01902

Location: 195 E. 17th St. - Costa Mesa Ca.

Date: 1-17-06

Well No	Depth of Well	To Liquid	To Water	Total Liquid in Well	Product Thickness	Comments
MW-12	44.17	31.77	31.77		0 4"	
MW-13	43.94	31.42	31.42		0 4"	
MW-10	43.48	32.30	32.30		0 4"	
MW-11	44.02	31.75	31.75		0 4"	

Portable Pumping Recovery Record

Tank size: 525

	Total Liquid		Water		Product	
	Inches	Gallons	Inches	Gallons	Inches	Gallons
After pumping						
Before pumping						
Site Total		96		96		0

Automatic System Recovery Record

Tank size:

	Inches	Gallons
Total Liquid		
Water		
Product		

Notes: G.S.

Gauged by: Jorge G.

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY

Field Temperature, Conductivity, pH, Turbidity, and Dissolved Oxygen Data

Cross Street: 17th @ Orange

Project: 01.902

Date: 1-17-06

Well: MW-12	Casing Vol 1	Casing Vol 2	Casing Vol 3	Sample	Comments	
Start Time	08:44	08:48	08:52			
Purged Water (gal)	8.06	8.06	8.06	(25)		
Temperature (°C)	22.1	22.3	22.4			
Conductivity (us/cm)	0.28	0.27	0.26			
pH	6.16	6.14	6.12		Begin purge time:	08:40
Turbidity (NTU)	190 0	196.0	204.0	30.0	End Sampling time:	11:20
Dissolved Oxygen (ppm)	1.98	2.10	2.13		Total time:	
Oxy Reduct Potent (mV)	43	36	33		Well recharge level:	31.81

Well: MW-13	Casing Vol 1	Casing Vol 2	Casing Vol 3	Sample	Comments	
Start Time	09:08	09:12	09:16			
Purged Water (gal.)	8 13	8 13	8 13	(25)		
Temperature (°C)	20 5	22.2	22.3			
Conductivity (us/cm)	0 29	0 32	0 34			
pH	6.42	6.43	6.44		Begin purge time:	09:04
Turbidity (NTU)	322.0	323.0	324 0	26.0	End Sampling time:	11:36
Dissolved Oxygen (ppm)	2.81	2.54	2 51		Total time:	
Oxy Reduct. Potent. (mV)	-61	-79	-93		Well recharge level:	31.46

Well: MW-10	Casing Vol 1	Casing Vol 2	Casing Vol 3	Sample	Comments	
Start Time	09:39	09:43	09:47			
Purged Water (gal)	7.26	7 26	7.26	(22)		
Temperature (°C)	20 9	21 9	21 9			
Conductivity (us/cm)	0.28	0 29	0 29			
pH	6.40	6.45	6.47		Begin purge time:	09.36
Turbidity (NTU)	164.0	398.0	429.0	42.0	End Sampling time:	11.48
Dissolved Oxygen (ppm)	2.39	2.15	2 13		Total time:	
Oxy. Reduct. Potent (mV)	113	118	120		Well recharge level:	32.32

Well: MW-11	Casing Vol 1	Casing Vol 2	Casing Vol 3	Sample	Comments	
Start Time	10:01	10:05	10:09			
Purged Water (gal.)	7.97	7.97	7 97	(24)		
Temperature (°C)	21.0	22 8	22.9			
Conductivity (us/cm)	0.29	0.30	0 30			
pH	6.61	6.63	6.65		Begin purge time:	09:57
Turbidity (NTU)	178.0	240 0	277.0	38.0	End Sampling time:	12:04
Dissolved Oxygen (ppm)	2.86	2.42	2.24		Total time:	
Oxy. Reduct. Potent. (mV)	-25	-28	-31		Well recharge level:	31.80

Serial #of Meter: T910045 U2221

Model: Horiba

Completed By: Tony Ca

11:00

WELL GAUGING/ SAMPLING CHECKLIST

For: CHEVRON	**Job Number:** 01.902
Location: 195 E 17th St - Costa Mesa	**Date:** 1.17.06

Task Check List

Well cap secure	Well cap locked
Well box cleaned and free of water	Well traffic lid secured

Well Repairs (needed or made):

Site Observations (appearance changes, condition of wells, etc.):

Drums

Were drums present upon arrival? Yes (No)	Were drums used and left onsite this visit? Yes (No)
Generator Name:	Generator Name:
Date of Origin:	Date of Accumulation:
Contents: Water Soil Gasoline Other	Contents: Water Soil Gasoline Other
Drum Size:	Drum Size:
Number of drums:	Number of drums:
Quantity of material (gallons):	Quantity of material (gallons):
Percentages of mixture:	Percentages of mixture:
Condition of drum(s):	Comments:

Technician: Jorge G.	Assistant:

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard ■ Brea, CA 92822-2292 COC 1 of 1

Chevron Site Global ID: T0605902237

Chevron Site Number: 9-0819

Chevron Site Address: 195 E. 17th Street & Orange – Costa Mesa

Chevron PM: Mike Bauer

Chevron PM Phone No.: (714) 671-3200

☑ Retail and Terminal Business Unit (RTBU) Job
Charge Code: NWRTB 0090819 -0-OML
NWRTB 00SITE NUMBER -0- WBS
(**WBS ELEMENTS**: SITE ASSMT: **A1L**/SITE MONT.:**OML**/REMD. IMPL.:**R5L**/OP. MAINT. & MON.: **M1L**)

☐ Construction/Retail Job

*THIS IS A **LEGAL** DOCUMENT. **ALL** FIELDS MUST BE FILLED OUT **CORRECTLY** AND **COMPLETELY**.*

Chevron Consultant: SAIC

Address: 570 Central Ave., Suite A Brea

Consultant Contact: Karen Simons

Consultant Phone No.: (714) 257-6409

Consultant Project No.: 01.902

Sampling Company: Wayne Perry, Inc.

Sampled By (Print): Jorge Gonzalez

Sampler Signature: [signature]

Del Mar Analytical
☐ Irvine, CA
☐ Colton, CA
Lab Contact: D. Wilson
Phone No:
☐ (949) 261-1022
☐ (909) 370-4667

Lancaster Laboratories
☑ Lancaster, PA
Lab Contact: Teresa Cunningham
Phone No:
☑ (717) 656-2300

Other Lab

ANALYSES REQUIRED

Special Instructions: **Ferrous iron samples filtered in field.**

Temp. Blank Check Time	Temp.
12:04	0.2

Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	Container Type	# of Containers	Preservation	EPA 8015B TPH-G ☐ TPH-D ☐ HYDROCARBON SCREEN ☐	EPA 8021B BTEX ☐ MTBE ☐	EPA 8260B TPH-G ■ BTEX ■ MTBE ■ OXYGENATES ■ HVOC ☐	EPA 6010 Ca, Fe, K, Mg, Mn, Na ☐	EPA 6010/7000 TITLE 22 METALS ☐ TTLC ☐ STLC ☐	EPA 150.1 pH ☐ / EPA 310.1 ALKALINITY ☐	SM 2510B SPECIFIC CONDUCTIVITY ☐	EPA 418.1 TRPH ☐ / EPA 413.1 OIL/GREASES ☐	SULFATE/NITRATE & FERROUS IRON			Notes/Comments
MW-10	W		06/01/17	11:48	40 ml vial	5	HCL			X						X			
MW-11	W		06/01/17	12:04	40 ml vial	5	HCL			X						X			
MW-12	W		06/01/17	11:20	40 ml vial	5	HCL			X						X			
MW-13	W		06/01/17	11:36	40 ml vial	5	HCL			X						X			
QA	T		06/01/17	11:00	40 ml vial	3	HCL			X									Trip Blank

Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
[signature]	Wayne Perry, Inc.	1-17-06 @1705	Mucdi Balsits	WPI	1/17/06 @1705
Mucdi Balsits	WPI	1/18/06	Ilandelos Dynamex		5:00 1/18/06
Ilandelos Dynamex					

Turnaround Time: 24 Hours ______ Standard X
48 hours ______ Other ______

Sample Integrity: (Check by lab on arrival)
Intact: ______ On ice: ______ Temp: ______

FEDEX # 8542 1027 9188

COC Revision 11

ATTACHMENT 7

LABORATORY ANALYSES AND CHAIN OF CUSTODY FORMS

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

Chevron
145 S. State College Blvd
PO Box 2292
Brea CA 92822

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 974826. Samples arrived at the laboratory on Thursday, January 19, 2006. The PO# for this group is 0015006354 and the release number is BAUER.

Client Description			Lancaster Labs Number
MW-10-W-060117	NA	Water	4690731
MW-11-W-060117	NA	Water	4690732
MW-12-W-060117	NA	Water	4690733
MW-13-W-060117	NA	Water	4690734
QA-T-060117	NA	Water	4690735

ELECTRONIC COPY TO	SAIC	Attn: Heather Andaya
ELECTRONIC COPY TO	SAIC	Attn: Loureen Gomez
ELECTRONIC COPY TO	SAIC	Attn: Daryl Pessler
ELECTRONIC COPY TO	SAIC	Attn: Sam Lacey

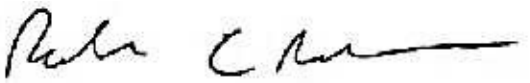
Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Questions? Contact your Client Services Representative
Megan A Moeller at (717) 656-2300

Respectfully Submitted,



Robin C. Runkle
Senior Specialist

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4690731

MW-10-W-060117 NA Water
Facility# 90819 WPBP
195 E 17th St-Costa Mesa T0605902237 MW-10

Collected:01/17/2006 11:48 by JG

Account Number: 11908

Submitted: 01/19/2006 09:05
Reported: 02/15/2006 at 13:47
Discard: 03/18/2006

Chevron
145 S. State College Blvd
PO Box 2292
Brea CA 92822

MES10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00228	Sulfate	14808-79-8	261,000.	15,000.	50,000.	ug/l	50
00368	Nitrate Nitrogen	14797-55-8	2,200.	400.	500.	ug/l	5
08344	Ferrous Iron	n.a.	15. J	8.0	100.	ug/l	1
00055	TPH GRO in water by 8260B						
00057	C4-C12-TPH-GRO	n.a.	270.	22.	50.	ug/l	1
06056	BTEX+5 Oxygenates by 8260B						
02010	Methyl Tertiary Butyl Ether	1634-04-4	21.	0.5	4.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	4.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	4.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	4.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	20.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	4.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	4.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	4.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	4.	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00228	Sulfate	EPA 300.0	1	01/19/2006 16:09	William L Hamaker Jr	50
00368	Nitrate Nitrogen	EPA 300.0	1	01/19/2006 11:02	William L Hamaker Jr	5
08344	Ferrous Iron	SM18 3500-Fe D modified	1	01/20/2006 04:00	Daniel S Smith	1
00055	TPH GRO in water by 8260B	SW-846 8260B	1	01/26/2006 16:19	Ginelle L Feister	1
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	01/26/2006 16:19	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	01/26/2006 16:19	Ginelle L Feister	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4690732

MW-11-W-060117 NA Water
Facility# 90819 WPBP
195 E 17th St-Costa Mesa T0605902237 MW-11

Collected:01/17/2006 12:04 by JG

Account Number: 11908

Submitted: 01/19/2006 09:05
Reported: 02/15/2006 at 13:47
Discard: 03/18/2006

Chevron
145 S. State College Blvd
PO Box 2292
Brea CA 92822

MES11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00228	Sulfate	14808-79-8	281,000.	15,000.	50,000.	ug/l	50
00368	Nitrate Nitrogen	14797-55-8	N.D.	400.	500.	ug/l	5
08344	Ferrous Iron	n.a.	15. J	8.0	100.	ug/l	1
00055	TPH GRO in water by 8260B						
00057	C4-C12-TPH-GRO	n.a.	160.	22.	50.	ug/l	1
06056	BTEX+5 Oxygenates by 8260B						
02010	Methyl Tertiary Butyl Ether	1634-04-4	28.	0.5	4.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	4.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	4.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	4.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	20.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	4.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	4.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	4.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	4.	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00228	Sulfate	EPA 300.0	1	01/19/2006 16:24	William L Hamaker Jr	50
00368	Nitrate Nitrogen	EPA 300.0	1	01/19/2006 11:17	William L Hamaker Jr	5
08344	Ferrous Iron	SM18 3500-Fe D modified	1	01/20/2006 04:00	Daniel S Smith	1
00055	TPH GRO in water by 8260B	SW-846 8260B	1	01/26/2006 16:43	Ginelle L Feister	1
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	01/26/2006 16:43	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	01/26/2006 16:43	Ginelle L Feister	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4690733

MW-12-W-060117 NA Water
Facility# 90819 WPBP
195 E 17th St-Costa Mesa T0605902237 MW-12

Collected:01/17/2006 11:20 by JG

Account Number: 11908

Submitted: 01/19/2006 09:05
Reported: 02/15/2006 at 13:47
Discard: 03/18/2006

Chevron
145 S. State College Blvd
PO Box 2292
Brea CA 92822

MES12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00228	Sulfate	14808-79-8	231,000.	7,500.	25,000.	ug/l	25
00368	Nitrate Nitrogen	14797-55-8	2,600.	400.	500.	ug/l	5
08344	Ferrous Iron	n.a.	9.8 J	8.0	100.	ug/l	1
00055	TPH GRO in water by 8260B						
00057	C4-C12-TPH-GRO	n.a.	40. J	22.	50.	ug/l	1
06056	BTEX+5 Oxygenates by 8260B						
02010	Methyl Tertiary Butyl Ether	1634-04-4	7.	0.5	4.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	4.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	4.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	4.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	20.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	4.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	4.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	4.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	4.	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00228	Sulfate	EPA 300.0	1	01/19/2006 16:38	William L Hamaker Jr	25
00368	Nitrate Nitrogen	EPA 300.0	1	01/19/2006 10:33	William L Hamaker Jr	5
08344	Ferrous Iron	SM18 3500-Fe D modified	1	01/20/2006 04:00	Daniel S Smith	1
00055	TPH GRO in water by 8260B	SW-846 8260B	1	01/26/2006 17:07	Ginelle L Feister	1
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	01/26/2006 17:07	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	01/26/2006 17:07	Ginelle L Feister	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4690734

MW-13-W-060117 NA Water
Facility# 90819 WPBP
195 E 17th St-Costa Mesa T0605902237 MW-13

Collected:01/17/2006 11:36 by JG

Account Number: 11908

Submitted: 01/19/2006 09:05
Reported: 02/15/2006 at 13:47
Discard: 03/18/2006

Chevron
145 S. State College Blvd
PO Box 2292
Brea CA 92822

MES13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00228	Sulfate	14808-79-8	303,000.	15,000.	50,000.	ug/l	50
00368	Nitrate Nitrogen	14797-55-8	460. J	400.	500.	ug/l	5
08344	Ferrous Iron	n.a.	95. J	8.0	100.	ug/l	1
00055	TPH GRO in water by 8260B						
00057	C4-C12-TPH-GRO	n.a.	77.	22.	50.	ug/l	1
06056	BTEX+5 Oxygenates by 8260B						
02010	Methyl Tertiary Butyl Ether	1634-04-4	32.	0.5	4.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	4.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	4.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	4.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	20.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	4.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	4.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	4.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	4.	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00228	Sulfate	EPA 300.0	1	01/19/2006 16:53	William L Hamaker Jr	50
00368	Nitrate Nitrogen	EPA 300.0	1	01/19/2006 10:48	William L Hamaker Jr	5
08344	Ferrous Iron	SM18 3500-Fe D modified	1	01/20/2006 04:00	Daniel S Smith	1
00055	TPH GRO in water by 8260B	SW-846 8260B	1	01/26/2006 17:31	Ginelle L Feister	1
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	01/26/2006 17:31	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	01/26/2006 17:31	Ginelle L Feister	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4690735

QA-T-060117 NA Water
Facility# 90819 WPBP
195 E 17th St-Costa Mesa T0605902237 QA

Collected:01/17/2006 11:00

Account Number: 11908

Submitted: 01/19/2006 09:05
Reported: 02/15/2006 at 13:47
Discard: 03/18/2006

Chevron
145 S. State College Blvd
PO Box 2292
Brea CA 92822

MESTB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00055	TPH GRO in water by 8260B						
00057	C4-C12-TPH-GRO	n.a.	N.D.	22.	50.	ug/l	1
06056	BTEX+5 Oxygenates by 8260B						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	4.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	4.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	4.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	4.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	20.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	4.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	4.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	4.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	4.	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00055	TPH GRO in water by 8260B	SW-846 8260B	1	01/26/2006 17:55	Ginelle L Feister	1
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	01/26/2006 17:55	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	01/26/2006 17:55	Ginelle L Feister	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: Chevron Group Number: 974826
Reported: 02/15/06 at 01:47 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 06019621101A	Sample number(s): 4690731-4690734								
Sulfate	N.D.	0.30	1.0	mg/l	99		90-110		
Nitrate Nitrogen	N.D.	0.080	0.10	mg/l	96		90-110		
Batch number: 06020834401A	Sample number(s): 4690731-4690734								
Ferrous Iron	N.D.	0.0080	0.10	mg/l	98		95-105		
Batch number: Z060262AA	Sample number(s): 4690731-4690735								
C4-C12-TPH-GRO	N.D.	22.	50.	ug/l	93	93	70-130	0	30
Methyl Tertiary Butyl Ether	N.D.	0.5	4.	ug/l	103	103	77-127	0	30
di-Isopropyl ether	N.D.	0.5	4.	ug/l	96	95	67-130	1	30
Ethyl t-butyl ether	N.D.	0.5	4.	ug/l	98	98	74-120	0	30
t-Amyl methyl ether	N.D.	0.5	4.	ug/l	100	100	79-113	0	30
t-Butyl alcohol	N.D.	5.	20.	ug/l	99	95	60-133	4	30
Benzene	N.D.	0.5	4.	ug/l	102	100	85-117	2	30
Toluene	N.D.	0.5	4.	ug/l	106	106	85-115	0	30
Ethylbenzene	N.D.	0.5	4.	ug/l	106	106	82-119	0	30
Xylene (Total)	N.D.	0.5	4.	ug/l	109	108	83-113	1	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 06019621101A	Sample number(s): 4690731-4690734 UNSPK: P690671 BKG: P690671								
Sulfate	100		90-110			37.5	37.1	1	3
Nitrate Nitrogen	97		90-110			0.44 J	N.D.	200* (1)	2
Batch number: 06020834401A	Sample number(s): 4690731-4690734 UNSPK: P690818 BKG: P690818								
Ferrous Iron	98	99	80-114	0	5	4.6	4.9	5 (1)	8
Batch number: Z060262AA	Sample number(s): 4690731-4690735 UNSPK: P690040								
Methyl Tertiary Butyl Ether	103		69-134						
di-Isopropyl ether	96		75-130						
Ethyl t-butyl ether	97		78-119						
t-Amyl methyl ether	101		72-125						
t-Butyl alcohol	76		56-134						
Benzene	107		83-128						
Toluene	112		83-127						
Ethylbenzene	112		82-129						
Xylene (Total)	114		82-130						

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 974826
Reported: 02/15/06 at 01:47 PM

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX+5 Oxygenates by 8260B
Batch number: Z060262AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4690731	102	94	103	103
4690732	102	94	105	99
4690733	104	95	104	98
4690734	104	95	106	99
4690735	105	96	103	97
Blank	101	94	106	98
LCS	101	95	105	101
LCSD	100	97	106	102
MS	102	96	104	102
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Account# 11908 Group# 974826 Sample# 4690731 -35

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard ■ Brea, CA 92822-2292 COC 1 of 1

Chevron Site Global ID: T0605902237

Chevron Site Number: 9-0819

Chevron Site Address: 195 E. 17th Street

& Orange – Costa Mesa

Chevron PM: Mike Bauer

Chevron PM Phone No.: (714) 671-3200

☑ Retail and Terminal Business Unit (RTBU) Job
Charge Code: NWRTB 0090819 -0-OML
NWRTB 00SITE NUMBER -0- WBS
(**WBS ELEMENTS**: SITE ASSMT: **A1L**/SITE MONT.:**OML**/REMD. IMPL.:**R5L**/OP. MAINT. & MON.: **M1L**)

☐ Construction/Retail Job
*THIS IS A LEGAL DOCUMENT. **ALL** FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.*

Chevron Consultant: SAIC

Address: 570 Central Ave., Suite A Brea

Consultant Contact: Karen Simons

Consultant Phone No.: (714) 257-6409

Consultant Project No.: 01.902

Sampling Company: Wayne Perry, Inc.

Sampled By (Print): Jorge Gonzalez

Sampler Signature:

Del Mar Analytical
☐ Irvine, CA
☐ Colton, CA
Lab Contact: D. Wilson
Phone No:
☐ (949) 261-1022
☐ (909) 370-4667

Lancaster Laboratories
☑ Lancaster, PA
Lab Contact: Teresa Cunningham
Phone No:
☑ (717) 656-2300

Other Lab

ANALYSES REQUIRED

SAMPLE ID								EPA 8015B TPH-G ☐ TPH-D ☐ HYDROCARBON SCREEN ☐	EPA 8021B BTEX ☐ MTBE ☐	EPA 8260B TPH-G ■ BTEX ■ MTBE ■ OXYGENATES ■ HVOC ☐	EPA 6010 CA, FE, K, MG, MN, NA ☐	EPA 6010/7000 TITLE 22 METALS ☐ TTLC ☐ STLC ☐	EPA 150.1 PH ☐	EPA 310.1 ALKALINITY ☐	SM 2510B SPECIFIC CONDUCTIVITY ☐	EPA 418.1 TRPH ☐	EPA 413.1 OIL/GREASES ☐	SULFATE/NITRATE & FERROUS IRON			Special Instructions / Notes/Comments
Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	Container Type	# of Containers	Preservation														
MW-10	W		06/01/17	11:48	40 ml vial	5	HCL			X								X			
MW-11	W		06/01/17	12:04	40 ml vial	5	HCL			X								X			
MW-12	W		06/01/17	11:20	40 ml vial	5	HCL			X								X			
MW-13	W		06/01/17	11:36	40 ml vial	5	HCL			X								X			
QA	T		06/01/17	11:00	40 ml vial	3	HCL			X											Trip Blank

Special Instructions: **Ferrous iron samples filtered in field.**

Temp. Blank Check

Time	Temp.
17:04	0.2

Relinquished By: Company: Wayne Perry, Inc. Date/Time: 1-17-06 @ 1705

Relinquished By: Company: Date/Time: 1/18/06

Relinquished By: Company: Date/Time:

Relinquished To: Company: Date/Time: 1/17/06 @ 1705

Relinquished To: Company: Date/Time: 1/18/06 5:00

Relinquished To: Company: Date/Time: 1-19-06 0905

Turnaround Time:
24 Hours ____ Standard __X__
48 hours ____ Other ____

Sample Integrity: (Check by lab on arrival)
Intact: ✓ On Ice: ✓ Temp: 2°

FEDEX # 8542 1027 9188

COC Revision 11

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ATTACHMENT 8

DISPOSAL RECORDS

PHILIP SERVICES CORP.

No. 032952

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Chevron Products Co. ~~TEXACO DOWNSTREAM REFINING~~ Chevron ~~TEXACO~~ S/S # 9-0819 NWRTB-0090819-0

ADDRESS P.O. BOX 6004 195 E. 17TH ST. EPA I.D NO N / A

CITY STATE ZIP SAN RAMON, CA 94583 COSTA MESA, CA PHONE NO (925) 842-5931

ATTN: KATHY NORRIS L2173

CONTAINERS: No 1 VOLUME 1k gal. WEIGHT

TYPE: ☒ TANK TRUCK ☐ DUMP TRUCKS ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION GROUNDWATER GENERATING PROCESS

	COMPONENTS OF WASTE	PPM	%		COMPONENTS OF WASTE	PPM	%
1	WATER		99-100%	5			
2	T.P.H.		0-1%	6			
3				7			
4				8			

PROPERTIES: pH ☐ SOLID ☒ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Wear proper personal protective gear when handling material.

T. BALSIUTIS / WP 24 HR. EMERGENCY RESPONSE # 800-567-7455 M. BAUER / CHEVRON

THIS GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

AS AGENT FOR CHEVRON

JEANNINE DUNCAN [signature]

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME PHILIP WEST INDUSTRIAL SERVICES CORP., INC. EPA I.D NO C A R 0 0 0 1 4 6 8 3 7

ADDRESS 1661 E. 32ND STREET JOB NO [illegible]

CITY STATE ZIP LONG BEACH, CA 90806 PICK UP DATE [illegible]

PHONE NO (562) 997-6080

TRUCK, UNIT, I D NO [illegible] [signature]

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME U.S. FILTER RECOVERY SERVICES EPA I.D NO C A D 0 9 7 0 3 0 9 9 3

DISPOSAL METHOD

ADDRESS 5375 S. BOYLE AVE. ☐ LANDFILL ☐ OTHER

CITY STATE ZIP LOS ANGELES, CA. 90058 Profile # ~~P154047~~ P100444

PHONE NO (323) 277-1450

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/Q		RT/CD	HWDF NONE	DISCREPANCY

323-7-86 (6/00)

GENERATOR